



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/552,000-Conf. #6374
				Filing Date	October 4, 2005
				First Named Inventor	Hiroko YANAGI
				Art Unit	1651
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	1752-0173PUS1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TG	BA	EP-1 331 264-A1	07-30-2003		
TG	BB	WO-2004/092359-A1	10-28-2004		✓

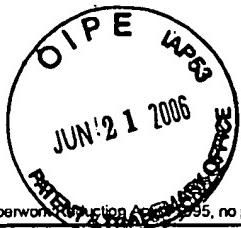
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
TG	CA	Brittberg et al., The New England Journal of Medicine, Vol. 331, No. 14, pp.889, 895, 1994			
	CB	Hyojun Seikeigekagaku, Standard Orthopaedics, Third Edition, with partial translation			
	CC	Bently et al., Nature, Vol. 230, pp.385-388, 1971			
	CD	Green, Clinical Orthopaedics and Related Research, Vol. 124, pp. 237-250, 1977			
	CE	Wakitani et al., The Journal of Bone and Joint Surgery, Vol. 71-B, No. 1, pp.74-80, 1989			
	CF	Paige et al., Plastic and Reconstructive Surgery, Vol. 96, No. 6, pp.1390-1398, 1995			
	CG	Paige et al., Plastic and Reconstructive Surgery, Vol. 97, No. 1, pp. 168-178, 1996			
	CH	Aulhouse et al., In Vitro Cellular & Developmental Biology, Vol. 25, No. 7, pp. 659-668, 1989			
	CI	Ting et al. Annals of Plastic Surgery, Vol. 40, No. 4, pp. 413-421, 1998			
	CJ	Rodriguez et al., Plastic and Reconstructive Surgery, Vol. 103, No. 4, pp.1111-1119, 1999			
	CK	Vacanti et al., Plastic and Reconstructive Surgery, Vol. 88, No. 5, pp. 753-759, 1991			
	CL	Cao et al., Plastic and Reconstructive Surgery, Vol. 100, No. 2, pp.297-303, 1997			
	CM	Aston et al., The Journal of Bone and Joint Surgery, Vol. 68-B, No. 1, pp. 29-35, 1986			
	CN	Nevo et al., Cell Biology International, Vol. 17, No. 3, pp. 255-273, 1993			
	CO	Nixon et al., Am J Vet Res, Vol. 54, No. 2, pp. 349-354, 1993			
	CP	Mok et al., The Journal of Biological Chemistry, Vol. 269, No. 52, pp.33021-33027, 1994			
✓	CQ	Cohen et al., Biomaterials, Vol. 21, pp. 2117-2123, 2000			
TG	CR	The 48th Annual Meeting of Japan Society of Plastic and Reconstructive Surgery, April 13-15, 2005, with English translation			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Tiffany Gough/	Date Considered	12/08/2006
--------------------	-----------------	-----------------	------------



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/552,000-Conf. #6374
				Filing Date	October 4, 2005
				First Named Inventor	Hiroko YANAGA
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	1752-0173PUS1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
TG	CA	Chesterman et al., J. Bone Joint Surg. Br., Vol. 50, pp. 184-197 (1968)			
	CB	Skoog et al., Scand. J. Plast. Reconstr. Surg. Vol. 6, pp. 123-125 (1972)			
	CC	Hvid et al., Acta Orthop. Scand. Vol. 52, pp. 91-93 (1981)			
	CD	Hommiinga et al., J. Bone Joint Surg. Br. Vol. 72, pp. 1003-1007 (1990)			
	CE	Matsuda et al., Igaku no Ayumi (Progress of Medicine) Vol. 172, No 6, pp. 390-391 (1995)			
	CF	Fujisato et al., Biomaterial, Vol. 17, pp. 155-162 (1996)			
	CG	van Osch et al., Igaku no Ayumi (Progress of Medicine) Vol. 107, pp. 433-440 (2001)			
	CH	Brittberg et al., Clin. Orthrop. Vol. 391, pp. 337-348 (2001)			
	CI	Adachi et al., Igaku no Ayumi (Progress of Medicine) Vol. 200, No.3, pp. 258-259 (2002)			
	CJ	Edited by Fujii et al., "Biology of bones and cartilages: Development from basic medicine to clinical medicine" pp. 143-149 (Kinbara Syuppan K.K. 2002)			
	CK	Ochi et al., J. Bone Joint Surg. Br. Vol. 84-B, No. 4, pp. 571-578 (2002)			
TG	CL	Yanaga et al., aesth. Plast. Surg. vol 28, pp. 212-221 (2004)			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Tiffany Gough/	Date Considered	12/08/2006
--------------------	-----------------	-----------------	------------

Birch, Stewart, Kolasch & Birch, LLP

GMM/TJS/khm

TJS



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

Complete if Known

Application Number	10/552,000-Conf. #6374
Filing Date	October 4, 2005
First Named Inventor	Hiroko YANAGI
Art Unit	N/A
Examiner Name	Not Yet Assigned

Sheet

1

of

1

Attorney Docket Number

1752-0173PUS1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TG	AA*	US-20010014473-A1	08-16-2001	Rieser et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TG	CA	Larson, et al., "Retention of the Native Chondrocyte Pericellular Matrix Results in Significantly Improved Matrix Production", Matrix Biology: Journal of the International Society for Matrix Biology, Vol. 21, No. 4, pp. 349-359, June 2002 (XP002378758).	
	CB	Long, et al., "Regulation of Growth Region Cartilage Proliferation and Differentiation by Perichondrium", Development, Vol. 125, No. 6, pp. 1067-1073, March 1998 (XP002378759).	
	CC	Di Nino, et al., "Regulation of Endochondral Cartilage Growth in the Developing Avian Limb: Cooperative Involvement of Perichondrium and Periosteum", Development Biology, Vol. 240, No. 2, pp. 433-442, December 15, 2001, (XP002378760).	
	CD	Klein-Nulend, et al., "Stimulation of Cartilage Differentiation by Osteogenic Protein-1 in Cultures of Human Perichondrium", Tissue Engineering, Vol. 4, No. 3, pp. 305-313, October 1998, (XP009065726).	
	CE	Nakamata, et al., "In Vitro Demonstration of Cell-to-Cell Interaction in Growth Plate Cartilage Using Chondrocytes Established From p53-/Mice", Journal of Bone and Mineral Research: The Official Journal of the American Society for Bone and Mineral Research, Vol. 18, No. 1, pp. 97-107, January 2003, (XP 009065762).	
	CF	Luan, et al., "Culture of Chondrocytes Using Allogeneous Acellular Cartilaginous Matrix", Chinese Journal of Plastic Surgery and Burns, Vol. 15, No. 3, pp. 178-179, May 1999 (XP002378761).	
↓	CG	Zerega, et al., "Parathyroid Hormone [PTH(1-34)] and Parathyroid Hormone-Related Protein [PTHRP(1-34)] Promote Reversion of Hypertrophic Chondrocytes to a Prehypertrophic Proliferating Phenotype and Prevent Terminal Differentiation of Osteoblast-like Cells", Journal of Bone and Mineral Research Official Journal of the American Society for Bone and Mineral Research, Vol. 14, No. 8, pp. 1281-1289, August 1999 (XP002378762).	
TG	CH	Vortkamp, "Interaction of Growth Factors Regulating Chondrocyte Differentiation in the Developing Embryo", Vol. 9, Suppl A, pp. S109-S117, 2001 (XP009065754).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Tiffany Gough/	Date Considered	12/08/2006
--------------------	-----------------	-----------------	------------

